AMENDMENTS TO THE CLAIMS

Listing of Claims - This will replace all prior listings of claims in the application.

1.   (Previously Presented) A computer implemented method comprising:

processing by a computing device a binary file generated by a source application to identify one or more user interface displays rendered when contents of the binary file are viewed using the source application; and

generating by the computing device a self-contained representation of the one or more user interface displays including one or more specifications correspondingly specifying the one or more user interface displays, to enable viewing of said contents of said binary file without usage of said source application, by rendering said one or more user interface displays in accordance with said one or more specifications.

2.   (Previously Presented) The method of claim 1, wherein each specification includes one or more transition rules specifying one or more transitions to one or more other user interface displays specified by one or more other specifications.

3.   (Previously Presented) The method of claim 2, wherein each transition rule specifies transition to another user interface display specified by another specification when the user interface displays enter a particular user interface display state.

4.   (Previously Presented) The method of claim 1, further comprising:

encoding by the computing device an electronic message having said self-contained representation attached, using a MIME protocol, a Uuencode protocol, or a BinHex protocol; and

transmitting by the computing device said encoded electronic message and self-contained representation to one or more addressed recipients.

5.   (Previously Presented) The method of claim 4, further comprising attaching by said computing device said self-contained representation to the electronic message.

6. (Previously Presented) The method of claim 1, wherein each of said user interface displays comprises one or more display cells, and each of said specification comprises one or more display cell specifications correspondingly specifying the one or more display cells.

7. (Previously Presented) A computer implemented method comprising:

identifying by a computing device a format of a binary file generated by a source application;

 selecting by the computing device a set of user interface display specifications from a plurality of sets of user interface display specifications, based at least in part on the identified format of the binary file; and

processing by the computing device the binary file to generate a self-contained representation of user interface displays of said binary file rendered when contents of the binary file are viewed using the source application, by associating results of said processing of the binary file with the selected set of user interface display specifications, to enable viewing of the user interface displays without the source application.

8. (Previously Presented) The method of claim 7, further comprising:

attaching by the computing device said self-contained representation with an electronic message; and

transmitting by the computing device said electronic message and said attached self-contained representation to one or more recipients for viewing, where the viewing includes rendering said user interface displays in accordance with said user interface display specifications and user input(s).

9. (Previously Presented) The method of claim 7, wherein said binary file is either a word processing document or a spreadsheet document.

10.   (Previously Presented) The method of claim 7, wherein said determining is based upon a filename extension associated with said binary file.

11.   (Previously Presented) The method of claim 7, wherein said processing further comprises:
        launching by the computing device a locally accessible version of the application;
        simulating by the computing device user input(s) to said application based at least in part upon said selected set of user interface display specifications; and
        storing by the computing device output(s) from said application in response to said user input(s).

12.   (Previously Presented) The method of claim 7, wherein each specification includes one or more transition rules specifying one or more transitions to one or more other user interface displays specified by one or more other specifications.

13.   (Previously Presented) The method of claim 12, wherein each transition rule specifies transition to another user interface display specified by another specification when the user interface displays enter a particular user interface display state.

14.   (Previously Presented) The method of claim 7, wherein each of said user interface displays comprises one or more display cells, and each of said specification comprises one or more display cell specifications correspondingly specifying the one or more display cells.

15.   (Previously Presented) A computer implemented method comprising:
        receiving by a computing device an email message including an associated first attachment of a first attachment type;
        determining by the computing device whether said first attachment type is associated with a member of a group of one or more supported source applications;

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selecting by the computing device a set of one or more user interface display specifications from a plurality of sets of one or more user interface display specifications, based upon said first attachment type if it is determined said first attachment type is associated with a member of said group of one or more supported source applications;

launching by the computing device a locally accessible version of the associated source application;

simulating by the computing device one or more user input signals based upon said selected set of one or more user interface display specifications; and

capturing by the computing device output responses of the associated source application to said one or more user input signals, and associating the captured output responses with the selected set of user interface display specifications to generate a self-contained representation of said first attachment to allow subsequent viewing of the attachment without further use of the associated source application.

16.   (Previously Presented) The method of claim 15, further comprising:

associating by the computing device said representation with said email message in the form a second attachment, replacing said first attachment;

encoding by the computing device said email message and said second attachment; and

transmitting said encoded email message and second attachment to a designated recipient.

17.   (Previously Presented) The method of claim 16, wherein said encoding comprises encoding the representation in accordance with the MIME protocol.

18.   (Original) The method of claim 15, wherein said first attachment type comprises a proprietary format.

19.   (Previously Presented) The method of claim 15, wherein each of said plurality of user interface displays comprises one or more display cells, and each of said user interface display specifications comprises one or more display cell specifications.

20.   (Previously Presented) The method of claim 19, wherein each of said specifications further comprises one or more transition rules, each transition rule specifying a transition to a user interface display when the user interface displays enter a particular display state.

21.   (Previously Presented) An apparatus comprising:
        a storage medium having stored therein a plurality of programming instructions designed to
                process a binary file generated by a source application to identify one or more user interface displays rendered when contents of the binary file are viewed using the source application,
                generate a self-contained representation of the one or more user interface displays including one or more specifications correspondingly specifying the user interface displays, to enable viewing of said contents of said binary file, without usage of said source application, by rendering said one or more user interface displays in accordance with said one or more specifications; and
        at least one processor coupled to the storage medium to execute the programming instructions.

22.   (Previously Presented) The apparatus of claim 21, wherein each specification includes one or more transition rules specifying one or more transitions to one or more other user interface displays specified by one or more other specifications.

23.   (Previously Presented) The apparatus of claim 22, wherein each transition rule specifies transition to another user interface display specified by another specification when the user interface displays enter a particular user interface display states.

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24.   (Previously Presented) The apparatus of claim 21, wherein the programming instructions are further designed to encode an electronic message having said self-contained representation attached, using either a MIME protocol, a Uuencode protocol, or a BinHex protocol.

25.   (Previously Presented) The apparatus of claim 21, wherein the programming instructions are further adapted to attach said self-contained representation to the electronic message.

26.   (Previously Presented) The apparatus of claim 21, wherein each of said user interface displays comprises one or more display cells, and each of said specification comprises one or more display cell specifications correspondingly specifying the one or more display cells.

27.   (Previously Presented) An apparatus comprising:
       a storage medium having stored therein a plurality of programming instructions designed to
              identify a format of a binary file generated by a source application;
              selecting a set of user interface display specifications from a plurality of
              sets of user interface display specifications, based at least in part on the
              identified format of the binary file, and
              processing the binary file to generate a self-contained representation of
              user interface displays of said binary file rendered when contents of the
              binary file are viewed using the source application, by associating results of
              said processing of the binary file with the selected set of user interface display
              specifications ; and
       at least one processor coupled to the storage medium to execute the
programming instructions.

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28.   (Previously Presented) The apparatus of claim 27, wherein the programming instructions are further designed to

attach said self-contained representation with an electronic message; and

transmit said electronic message and said attached self-contained representation to one or more recipients for viewing, where the viewing includes rendering said user interface displays in accordance with said user interface display specifications and user inputs.

29.   (Previously Presented) The apparatus of claim 27, wherein said binary file is either a word processing document or a spreadsheet document.

30.   (Previously Presented) The apparatus of claim 27, wherein said programming instructions are adapted to perform said determining based upon a filename extension associated with said binary file.

31.   (Previously Presented) The apparatus of claim 27, wherein the programming instructions are further designed to

launch a locally accessible version of the application;

simulate user input(s) to said application based at least in part upon said selected set of user interface displace specifications; and

store output(s) from said application in response to said user input(s).

32.   (Previously Presented) The apparatus of claim 27, wherein each specification includes one or more transition rules specifying one or more transitions to one or more other user interface displays specified by one or more other specifications.

33.   (Previously Presented) The apparatus of claim 32, wherein each transition rule specifies transition to another user interface display specified by another specification when the user interface displays enter a particular user interface display states.

34.   (Previously Presented) The apparatus of claim 27, wherein each of said user interface displays comprises one or more display cells, and each of said specification comprises one or more display cell specifications correspondingly specifying the one or more display cells.

35.   (Previously Presented) An apparatus comprising:

a storage medium having stored therein a plurality of programming instructions designed to

receive an email message including an associated first attachment of a first attachment type,

determine whether said first attachment type is a member of a group of one or more supported source applications,

selecting a set of one or more specifications from a plurality of sets of one or more user interface display specifications, based upon said first attachment type if it is determined said first attachment type is associated with a member of said group of one or more supported source applications,

launch a locally accessible version of the associated source application,

simulate one or more user input signals based upon said selected set of one or more user interface display specifications, and

capture output responses of the associated source application to said one or more user input signals, and associate the captured output responses with the selected set of user interface display specifications to generate a self-contained representation of said first attachment to allow subsequent viewing of the attachment without further use of the associated source application; and

at least one processor coupled to the storage medium to execute the programming instructions.

36.   (Previously Presented) The apparatus of claim 35, wherein the programming instructions are further designed to

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associate said representation with said email message in the form a second attachment replacing said first attachment;

encode said email message and said second attachment; and

transmit said email message and said second attachment to a designated recipient.

37.   (Previously Presented) The apparatus of claim 36, wherein said encoding comprises encoding the representation in accordance with the MIME protocol.

38.   (Original) The apparatus of claim 35, wherein said first attachment type comprises a proprietary format.

39.   (Previously Presented) The apparatus of claim 35, wherein each of said plurality of user interface displays further comprises one or more display cells, and each of said user interface display specifications comprises one or more display cell specifications.

40.   (Previously Presented) The apparatus of claim 39, wherein each of said specifications further comprises one or more transition rules, each transition rule specifying a transition to a user interface display when the user interface displays enter a particular display state.